



ACQUISITION,
TECHNOLOGY
AND LOGISTICS

OFFICE OF THE UNDER SECRETARY OF DEFENSE

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WASHINGTON, DC 20301-3000

MAR 29 2004

MEMORANDUM FOR DEPUTY ASSISTANT SECRETARY OF THE ARMY
(ENVIRONMENT, SAFETY & OCCUPATIONAL
HEALTH)
DEPUTY ASSISTANT SECRETARY OF THE NAVY
(ENVIRONMENT)
DEPUTY ASSISTANT SECRETARY OF THE AIR FORCE
(ENVIRONMENT, SAFETY & OCCUPATIONAL
HEALTH)

SUBJECT: Clean Water Act and Range Strategy

The Department of Defense is assessing issues presented by potential Clean Water Act (CWA) regulation of operational ranges. The strategy to implement this effort includes collecting data, assessing potential applicability of CWA requirements on operational ranges, and determining mission impacts of the CWA requirements on operational ranges.

The data call request in Attachment A has been developed to identify ranges that may be subject to regulatory requirements under the CWA and requests input on range best management practices. The Military Departments should complete the data call spreadsheet (Attachment B) using a multi-disciplinary team of range, environmental, and legal staff. The information should be developed for the stand-alone ranges and range complexes reported in the training range inventory and comprehensive plan prepared in response to section 366 of the Fiscal Year 2003 National Defense Authorization Act.

Once assembled, a panel from the DoD CWA Service Steering Committee (SSC) will evaluate the data, assess potential regulatory requirements under the CWA, and then assess the potential impacts to DoD missions of those requirements. Part of this review includes the CWA SSC making recommendations on site visits to selected ranges determined to present a high probability of potential mission impact from CWA requirements. Along with this effort, the CWA SSC will also compile a list of range best management practices that serve to enhance or protect water resources.

Each Military Department shall provide the data required in Attachment B to the DoD CWA SSC within 180 days of the date of this memorandum. The Military Departments shall continue to work with the DoD CWA SSC to evaluate the data,



compile a list of best management practices, identify issues resulting from potential CWA regulation of operational ranges, and make an interim report on these issues to my office within 210 days of the date of this memorandum.

My point of contact for this effort is Mr. Ed Miller who can be reached at (703) 604-1765 or e-mail at Edmund.Miller@osd.mil.



Alex Beehler

Assistant Deputy Under Secretary of Defense
(Environment, Safety & Occupational Health)

Attachments:

As stated

cc: DLA (DSS-E)
J. Walsh (OSD-P&R)

CLEAN WATER ACT DATA CALL FOR RANGE COMPLEXES AND STAND-ALONE RANGES

I. Data Development

A. Identify range complexes and stand-alone ranges with water resources.
(Range Personnel provide input.)

Note: In answering these questions and completing the spreadsheet, the information should be developed for the range complexes and stand-alone ranges reported in the training range inventory prepared in response to section 366 of the Fiscal Year 2003 National Defense Authorization Act. If there are multiple range types, impact areas, SDZs or Weapons Safety Footprints that include water resources within the same complex, information on each such area should be provided on separate spreadsheets identifying the area as part of the range complex.

1. List and identify the range complexes and stand-alone ranges under your Military Department's control.
2. Affiliation. Identify the installation or organization with control over the training range complex or stand-alone range.
3. Location (state) *Note: Some installations may have ranges under their control, which are located in other states. Please indicate the state in which the range is located.*
4. Are there any water resources on the range complex or stand-alone range?
Note: The term "water resources" includes lakes, rivers, streams (including intermittent and ephemeral streams), manmade canals and channels, mudflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, vernal pools, or natural ponds.
5. Are the water resources identified in A.4 within an impact area (area where rounds/bullets are "intended" to hit)? If yes, identify each range type (small arms, air to ground, water range, testing, etc.). *Note: Please use the 4-digit or 5-digit OSD facility code. Some ranges may have several uses (primary, secondary, and tertiary). List the range by its primary use code.*
6. If the water resources identified in A.4 are not within the impact area, are they within the Surface Danger Zone (SDZ), Weapons Safety Footprint, or the minimum geography requirements needed to safely employ air-to-ground weapons (*Please use the term that is most appropriate to your service activities*)? If yes, identify each range type (small arms, air to ground, water range, testing, etc.). *Note: Please use the 4-digit or 5-digit OSD facility code. Some ranges may have several uses (primary, secondary, and tertiary). List the range by its primary use code.*

B. Of the water resources listed in A.5 & A.6 above, answer the following:
(Environmental Personnel and Installation Legal Staff provide input.)

Note: The following information can be found on <http://www.epa.gov/waters>. Click on TMDL Reports, and then click on State. Search by watershed, waterbody type, pollutant, etc. If you click on the numbers next to waterbody type, the names of the waterbodies will appear and give more information on the state of that waterbody. Or click on Enviromapper for Water and locate the waters on interactive GIS map. For more information, please visit EPA's Watershed Assessment, Tracking, and Environmental Results (WATERS) Tools website at <http://www.epa.gov/waters/tools/index.html>.

1. What is the designated use, if any, under the state water quality standard (drinking, recreation, fishery, etc.)?
2. Are the waters currently (or proposed) on the 303(d) list?

II. Development of range management practices and procedures.

A. What are your existing range management practices and procedures that may serve to enhance or protect on-range water resources? For example, see checklist below. (Environmental and/or Range Personnel provide input.)

	Control Practices	Check all that apply:	Org. Responsible
1	Range clearance and maintenance activities		
2	Environmental sampling and monitoring		
3	Leachate collection		
4	Range design and target placement		
5	Impact Berm/Backstop Design (maintenance)		
6	Landscaping (flow diversion)		
7	Range Orientation		
8	Bullet Containment/Bullet Traps		
9	Bullet Recovery/recycling		
10	pH adjustment		
11	Alternative Ammo		
12	Settling basins		
13	Wind Breaks		
14	Water Baffle		
15	Rip Rap		
16	Soil Stabilization		
17	Vegetative control		
18	Clay barrier		
19	Shot curtains		
20	Storm water runoff management		
21	Erosion control		
22	Others (please identify below):		

B. List any future management activities that are being planned and developed or any ideas that could serve to enhance or protect water resources on ranges. (Environmental and/or Range Personnel provide input.)

																			I.A.1. List and Identify operational range complex or stand-alone range
																			I.A.2.Installation/Organization
																			I.A.3. Location (State); Indicate the state in which the range is located.
																			I.A.4. Are there water resources on the range? (Y/N)
																			I.A.5.a. Are the waters on this range w/in the impact area only? (Y/N)
																			I.A.5.b. Type of Range or Facility Code (4- or 5-digit OSD facility code)
																			I.A.6.a. Are the waters on this range outside the Impact area but within the Surface Danger Zone(s), Weapons Safety Footprint, or the minimum geography requirements needed to safely employ air-to-ground weapons? (Y/N)
																			I.A.6.b. Type of Range or Facility Code (4- or 5-digit OSD facility code)
																			II.B.1. What is the designated use, if any, under the state water quality standard? (fishery, recreation, drinking, etc.)
																			II.B.2. Are the waters on this range listed or proposed to be listed on the 303(d) list? (Y/N)
																			II.A.1. Range Clearance and Maintenance Activities (Y/N)
																			II.A.2. Environmental Sampling and Monitoring (Y/N)
																			II.A.3. Leachate Collection (Y/N)
																			II.A.4. Range Design (Y/N)
																			II.A.5. Impact Berm/Backstop Design (Y/N)
																			II.A.6. Landscaping for Flow diversion (Y/N)
																			II.A.7. Range Orientation (Y/N)
																			II.A.8. Bullet Containment/Bullet Traps (Y/N)
																			II.A.9. Bullet Collection/Recycling (Y/N)
																			II.A.10. pH Adjustment (Y/N)
																			II.A.11. Alternative Ammunition (Y/N)
																			II.A.12. Settling Basins (Y/N)
																			II.A.13. Wind Breaks (Y/N)
																			II.A.14. Water Baffles (Y/N)
																			II.A.15. Rip Rap (Y/N)
																			II.A.16. Soil Stabilization (Y/N)
																			II.A.17. Vegetative Control (Y/N)
																			II.A.18. Clay Barriers (Y/N)
																			II.A.19. Shot Curtains (Y/N)
																			II.A.20. Storm Water Management (Y/N)
																			II.A.21. Erosion Control (Y/N)
																			II.A.22. Other (Y/N): List control practices at bottom of spreadsheet
																			II.B. Future Plans (Y/N): List future plans at bottom of spreadsheet